

Section 1. Registration Information

Source Identification

Facility Name:	Fertizona - Casa Grande, LLC
Parent Company #1 Name:	
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	5yr 6-2009; New 7-2007 (reactor)
Receipt Date:	05-Oct-2009
Postmark Date:	29-Sep-2009
Next Due Date:	29-Sep-2014
Completeness Check Date:	18-May-2012
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0014 9966
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	21650189
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	2850 South Peart Road
Street 2:	
City:	Casa Grande
State:	ARIZONA
ZIP:	85222
ZIP4:	
County:	PINAL

Facility Latitude and Longitude

Latitude (decimal):	32.854167
Longitude (decimal):	-111.723611
Lat/Long Method:	Interpolation - Photo
Lat/Long Description:	Center of Facility
Horizontal Accuracy Measure:	25
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	24000

Owner or Operator

Operator Name:	Fertizona - Casa Grande, LLC
Operator Phone:	(520) 836-7477

Mailing Address

Operator Street 1:	2850 South Peart Road
Operator Street 2:	
Operator City:	Casa Grande
Operator State:	ARIZONA
Operator ZIP:	85222
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Karl Montoya
RMP Title of Person or Position:	Operator
RMP E-mail Address:	kmon1356@hotmail.com

Emergency Contact

Emergency Contact Name:	Karl Montoya
Emergency Contact Title:	Operator
Emergency Contact Phone:	(520) 876-9982
Emergency Contact 24-Hour Phone:	(520) 560-3429
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	kmon1356@hotmail.com

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	(520) 836-7477
Facility or Parent Company WWW Homepage Address:	www.fertizona.com

Local Emergency Planning Committee

LEPC:	Pinal County LEPC
-------	-------------------

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	5
FTE Claimed as CBI:	

Covered By

OSHA PSM :	
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	11-Apr-1996
Last Safety Inspection Performed By an External Agency:	OSHA

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Riverside Environmental Services, Inc.
Preparer Phone:	(928) 783-3803
Preparer Street 1:	4885 West Riverside Drive
Preparer Street 2:	
Preparer City:	Yuma
Preparer State:	ARIZONA
Preparer ZIP:	85364
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
-----------------------	---

Process Chemicals

Process ID:	81412
Description:	Reactor Process
Process Chemical ID:	108300
Program Level:	Program Level 2 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	154000
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	81412
Process NAICS ID:	83395
Program Level:	Program Level 2 process
NAICS Code:	42491
NAICS Description:	Farm Supplies Merchant Wholesalers

Section 2. Toxics: Worst Case

Toxic Worst ID: 53198

Percent Weight:	
Physical State:	Gas liquified by pressure
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Rural

Passive Mitigation Considered

- Dikes:
- Enclosures:
- Berms:
- Drains:
- Sumps:
- Other Type:

Section 3. Toxics: Alternative Release

Toxic Alter ID: 62631

Percent Weight:

Physical State:

Model Used:

Wind Speed (m/sec):

Atmospheric Stability Class:

Topography:

Gas liquified by pressure

Areal Locations of Hazardous Atmospheres
[ALOHA(R)]

3.0

D

Rural

Passive Mitigation Considered

Dikes:

Enclosures:

Berms:

Drains:

Sumps:

Other Type:

Active Mitigation Considered

Sprinkler System:

Deluge System:

Water Curtain:

Neutralization:

Excess Flow Valve:

Flares:

Scrubbers:

Emergency Shutdown:

Other Type:

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Section 8. Program Level 2

Description:

Ammonia (anhydrous)

Program Level 2 Prevention Program Chemicals

Prevention Program Chemical ID:	31019
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7

Prevention Program Level 2 ID:	29684
NAICS Code:	42491

Safety Information

Safety Review Date (The date of the most recent review or revision of the safety information):	05-Jun-2009
--	-------------

Safety Compliance Regulations or Design Codes/Standards

NFPA 58 (or state law based on NFPA 58):	
OSHA (29 CFR 1910.111):	Yes
ASTM Standards:	
ANSI Standards:	
ASME Standards:	Yes
None:	
Other Regulation, Design Code, or Standard:	
Comments:	

Hazard Review

Hazard Review Date (The date of completion of most recent review or update):	03-Mar-2008
--	-------------

Change Completion Date (The expected or actual date of completion of all changes resulting from the hazard review):

Major Hazards Identified

Toxic Release:	Yes
Fire:	Yes
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	Yes

Floods (Flood Plain):

Tornado:

Hurricanes:

Other Major Hazard Identified: vandalism, operator error

Process Controls in Use

Vents:

Relief Valves: Yes

Check Valves:

Scrubbers:

Flares:

Manual Shutoffs: Yes

Automatic Shutoffs:

Interlocks:

Alarms and Procedures: Yes

Keyed Bypass:

Emergency Air Supply:

Emergency Power:

Backup Pump:

Grounding Equipment:

Inhibitor Addition:

Rupture Disks:

Excess Flow Device: Yes

Quench System:

Purge System:

None:

Other Process Control in Use:

Mitigation Systems in Use

Sprinkler System:

Dikes:

Fire Walls:

Blast Walls:

Deluge System:

Water Curtain:

Enclosure:

Neutralization:

None: Yes

Other Mitigation System in Use:

Monitoring/Detection Systems in Use

Process Area Detectors:

Perimeter Monitors:

None: Yes

Other Monitoring/Detection System in Use:

Changes Since Last PHA or PHA Update

Reduction in Chemical Inventory:

Increase in Chemical Inventory:

Change Process Parameters:

Installation of Process Controls:

Installation of Process Detection Systems:
Installation of Perimeter Monitoring Systems:
Installation of Mitigation Systems:
None Recommended: Yes
None:
Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 08-May-2008

Training

Training Review Date (The date of the most recent review or revision of training programs): 05-Jun-2009

The Type of Training Provided

Classroom: Yes
On the Job: Yes
Other Training:

The Type of Competency Testing Used

Written Tests: Yes
Oral Tests:
Demonstration: Yes
Observation: Yes
Other Type of Competency Testing Used:

Maintenance

Maintenance Review Date (The date of the most recent review or revision of maintenance procedures): 05-Jun-2009
Equipment Inspection Date (The date of the most recent equipment inspection or test): 25-May-2009
Equipment Most Recently Inspected or Tested: All process equipment.

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit): 06-Oct-2011
Audit Completion Date (The expected or actual date of completion of all changes resulting from the compliance audit): 06-Apr-2012

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):
Incident Investigation Changes Date (Expected or actual date of completion of all changes resulting from the investigation):

Most Recent Change Date: (The date of the most recent change that triggered a review or revision of safety information):

Confidential Business Information

CBI Claimed:

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan): 05-Feb-2009

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees): 04-Nov-2008

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): Regional Fire and Rescue

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (520) 352-2309

Subject to

OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120:

Clean Water Regulations at 40 CFR 112:

RCRA Regulations at CFR 264, 265, and 279.52:

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

Executive Summary

The Fertizona Casa Grande (Casa Grande, Arizona) accidental release prevention policy involves a unified approach that integrates technologies, procedures, and management practices. All applicable procedures of the federal Program are adhered to. The facility's emergency response policy involves the preparation of response plans which are tailored to the facility and to the emergency response services available in the community.

Fertizona Casa Grande stores and blends liquid fertilizer for sale and application to farmland. The facility stores the following quantities of regulated substances:

• Anhydrous Ammonia - 154,000 pounds

Atmospheric dispersion modeling has to be performed to determine the distance traveled by the toxic substance released before its concentration decreases to the toxic endpoint selected by the EPA (0.14 mg/L for anhydrous ammonia). This is defined by the American Industrial Hygiene Association (AIHA) as the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without which could impair an individual's ability to take protective action. The residential population within a radius corresponding to the toxic endpoint distance has to be defined, to estimate the population potentially affected.

The general accidental release prevention program is based on the following key elements:

- High level of training of the operators.
- Preventative maintenance programs.
- Use of state-of-the-art process and safety equipment.
- Use of accurate and effective operating procedures, written with the participation of the operators.
- Performance of a process hazard analysis of equipment and procedures.
- Implementation of an auditing and inspection program.

There have been no reportable releases at this facility in the past five years.

The facility will fully implement the RMP and will initiate appropriate changes as needed to maintain a safe operation.